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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/019,495

DATE: 06/04/2002
TIME: 14:51:10

Input Set : A:\pf0698usn.txt
Output Set: N:\CRF3\06042002\J019495.raw

1 <110> APPLICANT: Hillman, Jennifer L.
 2 Bandman, Olga
 3 Tang, Y. Tom
 4 Lal, Preeti
 5 Yue, Henry
 6 Reddy, Koopa
 7 Azimzai, Yalda
 8 Baughn, Mariah R.
 10 <120> TITLE OF INVENTION: HUMAN MEMBRANE-ASSOCIATED PROTEINS
 12 <130> FILE REFERENCE: PF-0698 PCT
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/019,495
 C--> 15 <141> CURRENT FILING DATE: 2002-04-15
 17 <160> NUMBER OF SEQ ID NOS: 34
 19 <170> SOFTWARE: PERL Program
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 175
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: 402771CD1
 31 <400> SEQUENCE: 1
 32 Met Ser His Gly Ala Gly Leu Val Arg Thr Thr Cys Ser Ser Gly
 33 1 5 10 15
 34 Ser Ala Leu Gly Pro Gly Ala Gly Ala Ala Gln Pro Ser Ala Ser
 35 20 25 30
 36 Pro Leu Glu Gly Leu Leu Asp Leu Ser Tyr Pro Arg Thr His Ala
 37 35 40 45
 38 Ala Leu Leu Lys Val Ala Gln Met Val Thr Leu Leu Ile Ala Phe
 39 50 55 60
 40 Ile Cys Val Arg Ser Ser Leu Trp Thr Asn Tyr Ser Ala Tyr Ser
 41 65 70 75
 42 Tyr Phe Glu Val Val Thr Ile Cys Asp Leu Ile Met Ile Leu Ala
 43 80 85 90
 44 Phe Tyr Leu Val His Leu Phe Arg Phe Tyr Arg Val Leu Thr Cys
 45 95 100 105
 46 Ile Ser Trp Pro Leu Ser Glu Leu Leu His Tyr Leu Ile Gly Thr
 47 110 115 120
 48 Leu Leu Leu Leu Ile Ala Ser Ile Val Ala Ala Ser Lys Ser Tyr
 49 125 130 135
 50 Asn Gln Ser Gly Leu Val Ala Gly Ala Ile Phe Gly Phe Met Ala
 51 140 145 150
 52 Thr Phe Leu Cys Met Ala Ser Ile Trp Leu Ser Tyr Lys Ile Ser
 53 155 160 165

R.6
ENTERED

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Input Set : A:\pf0698usn.txt
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54 Cys Val Thr Gln Ser Thr Asp Ala Ala Val
55 170 175
58 <210> SEQ ID NO: 2
59 <211> LENGTH: 161
60 <212> TYPE: PRT
61 <213> ORGANISM: Homo sapiens
63 <220> FEATURE:
64 <223> OTHER INFORMATION: 1296216CD1
66 <400> SEQUENCE: 2
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68 1 5 10 15
69 Thr Ser Glu Thr Gly Arg Ala Leu Thr Leu Leu Ala Gln Gln Glu
70 20 25 30
71 Thr Gln Met Arg Asn Ala Ile Tyr Gln Asn Arg Leu Ala Leu Asp
72 35 40 45
73 Tyr Leu Leu Ala Ala Glu Gly Val Cys Glu Lys Phe Asn Leu
74 50 55 60
75 Thr Lys Cys Cys Leu Gln Arg Asp Asp Gln Gly Gln Val Val Lys
76 65 70 75
77 Asn Ile Val Arg Asp Met Thr Lys Leu Ala His Val Pro Met Gln
78 80 85 90
79 Val Trp His Arg Phe Asp Pro Gly Ser Leu Phe Gly Lys Trp Leu
80 95 100 105
81 Pro Ala Leu Gly Gly Phe Lys Thr Leu Ile Ile Gly Met Ile Met
82 110 115 120
83 Val Leu Gly Thr Cys Met Leu Leu Pro Cys Met Leu Pro Ile Phe
84 125 130 135
85 Leu Gln Leu Leu Arg Ser Phe Val Ile Thr Leu Val His Gln Lys
86 140 145 150
87 Thr Ser Ala Gln Val Tyr Tyr Met Asn His Tyr
88 155 160
91 <210> SEQ ID NO: 3
92 <211> LENGTH: 563
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <220> FEATURE:
97 <223> OTHER INFORMATION: 1693173CD1
99 <400> SEQUENCE: 3
100 Met Pro Asn Gly Ser Thr Ile Pro Pro Gly Ser Pro Glu Glu Met
101 1 5 10 15
102 Leu Phe His Phe Gly Met Thr Trp Gln Ile Asn Gly Thr Gly Leu
103 20 25 30
104 Leu Gly Lys Arg Asn Asp Gln Leu Pro Ser Asn Phe Thr Pro Val
105 35 40 45
106 Phe Tyr Ser Gln Leu Gln Lys Asn Ser Ser Trp Ala Glu His Leu
107 50 55 60
108 Ile Ser Asn Cys Asp Gly Asp Ser Ser Cys Ile Tyr Asp Thr Leu
109 65 70 75
110 Ala Leu Arg Asn Ala Ser Ile Gly Leu His Thr Arg Glu Val Ser

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111	80	85	90
112	Lys Asn Tyr Glu Gln Ala Asn Ala Thr Leu Asn Gln Tyr Pro Pro		
113	95	100	105
114	Ser Ile Asn Gly Gly Arg Val Ile Glu Ala Tyr Lys Gly Gln Thr		
115	110	115	120
116	Thr Leu Ile Gln Tyr Thr Ser Asn Ala Glu Asp Ala Asn Phe Thr		
117	125	130	135
118	Leu Arg Asp Ser Cys Thr Asp Leu Glu Leu Phe Glu Asn Gly Thr		
119	140	145	150
120	Leu Leu Trp Thr Pro Lys Ser Leu Glu Pro Phe Thr Leu Glu Ile		
121	155	160	165
122	Leu Ala Arg Ser Ala Lys Ile Gly Leu Ala Ser Ala Leu Gln Pro		
123	170	175	180
124	Arg Thr Val Val Cys His Cys Asn Ala Glu Ser Gln Cys Leu Tyr		
125	185	190	195
126	Asn Gln Thr Ser Arg Val Gly Asn Ser Ser Leu Glu Val Ala Gly		
127	200	205	210
128	Cys Lys Cys Asp Gly Gly Thr Phe Gly Arg Tyr Cys Glu Gly Ser		
129	215	220	225
130	Glu Asp Ala Cys Glu Glu Pro Cys Phe Pro Ser Val His Cys Val		
131	230	235	240
132	Pro Gly Lys Gly Cys Glu Ala Cys Pro Pro Asn Leu Thr Gly Asp		
133	245	250	255
134	Gly Arg His Cys Ala Ala Leu Gly Ser Ser Phe Leu Cys Gln Asn		
135	260	265	270
136	Gln Ser Cys Pro Val Asn Tyr Cys Tyr Asn Gln Gly His Cys Tyr		
137	275	280	285
138	Ile Ser Gln Thr Leu Gly Cys Gln Pro Met Cys Thr Cys Pro Pro		
139	290	295	300
140	Ala Phe Thr Asp Ser Arg Cys Phe Leu Ala Gly Asn Asn Phe Ser		
141	305	310	315
142	Pro Thr Val Asn Leu Glu Leu Pro Leu Arg Val Ile Gln Leu Leu		
143	320	325	330
144	Leu Ser Glu Glu Glu Asn Ala Ser Met Ala Glu Val Asn Ala Ser		
145	335	340	345
146	Val Ala Tyr Arg Leu Gly Thr Leu Asp Met Arg Ala Phe Leu Arg		
147	350	355	360
148	Asn Ser Gln Val Glu Arg Ile Asp Ser Ala Ala Pro Ala Ser Gly		
149	365	370	375
150	Ser Pro Ile Gln His Trp Met Val Ile Ser Glu Phe Gln Tyr Arg		
151	380	385	390
152	Pro Arg Gly Pro Val Ile Asp Phe Leu Asn Asn Gln Leu Leu Ala		
153	395	400	405
154	Ala Val Val Glu Ala Phe Leu Tyr His Val Pro Arg Arg Ser Glu		
155	410	415	420
156	Glu Pro Arg Asn Asp Val Val Phe Gln Pro Ile Ser Gly Glu Asp		
157	425	430	435
158	Val Arg Asp Val Thr Ala Leu Asn Val Ser Thr Leu Lys Ala Tyr		
159	440	445	450

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160 Phe Arg Cys Asp Gly Tyr Lys Gly Tyr Asp Leu Val Tyr Ser Pro
 161 455 460 465
 162 Gln Ser Gly Phe Thr Cys Val Ser Pro Cys Ser Arg Gly Tyr Cys
 163 470 475 480
 164 Asp His Gly Gly Gln Cys Gln His Leu Pro Ser Gly Pro Arg Cys
 165 485 490 495
 166 Ser Cys Val Ser Phe Ser Ile Tyr Thr Ala Trp Gly Glu His Cys
 167 500 505 510
 168 Glu His Leu Ser Met Lys Leu Asp Ala Phe Phe Gly Ile Phe Phe
 169 515 520 525
 170 Gly Val Leu Gly Gly Leu Leu Leu Gly Val Gly Thr Phe Val
 171 530 535 540
 172 Val Leu Arg Phe Trp Gly Cys Ser Gly Ala Arg Phe Ser Tyr Phe
 173 545 550 555
 174 Leu Asn Ser Ala Glu Ala Leu Pro
 175 560
 178 <210> SEQ ID NO: 4
 179 <211> LENGTH: 396
 180 <212> TYPE: PRT
 181 <213> ORGANISM: Homo sapiens
 183 <220> FEATURE:
 184 <223> OTHER INFORMATION: 2095069CD1
 186 <400> SEQUENCE: 4
 187 Met Ala Val Gln Glu Ser Ala Ala Gln Leu Ser Met Thr Leu Lys
 188 1 5 10 15
 189 Val Gln Glu Tyr Pro Thr Leu Lys Val Pro Tyr Glu Thr Leu Asn
 190 20 25 30
 191 Lys Arg Phe Arg Ala Ala Gln Lys Asn Ile Asp Arg Glu Thr Ser
 192 35 40 45
 193 His Val Thr Met Val Val Ala Glu Leu Glu Lys Thr Leu Ser Gly
 194 50 55 60
 195 Cys Pro Ala Val Asp Ser Val Val Ser Leu Leu Asp Gly Val Val
 196 65 70 75
 197 Glu Lys Leu Ser Val Leu Lys Arg Lys Ala Val Glu Ser Ile Gln
 198 80 85 90
 199 Ala Glu Asp Glu Ser Ala Lys Leu Cys Lys Arg Arg Ile Glu His
 200 95 100 105
 201 Leu Lys Glu His Ser Ser Asp Gln Pro Ala Ala Ala Ser Val Trp
 202 110 115 120
 203 Lys Arg Lys Arg Met Asp Arg Met Met Val Glu His Leu Leu Arg
 204 125 130 135
 205 Cys Gly Tyr Tyr Asn Thr Ala Val Lys Leu Ala Arg Gln Ser Gly
 206 140 145 150
 207 Ile Glu Asp Leu Val Asn Ile Glu Met Phe Leu Thr Ala Lys Glu
 208 155 160 165
 209 Val Glu Glu Ser Leu Glu Arg Arg Glu Thr Ala Thr Cys Leu Ala
 210 170 175 180
 211 Trp Cys His Asp Asn Lys Ser Arg Leu Arg Lys Met Lys Ser Cys
 212 185 190 195

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Input Set : A:\pf0698usn.txt
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213 Leu Glu Phe Ser Leu Arg Ile Gln Glu Phe Ile Glu Leu Ile Arg
 214 200 205 210
 215 Gln Asn Lys Arg Leu Asp Ala Val Arg His Ala Arg Lys His Phe
 216 215 220 225
 217 Ser Gln Ala Glu Gly Ser Gln Leu Asp Glu Val Arg Gln Ala Met
 218 230 235 240
 219 Gly Met Leu Ala Phe Pro Pro Asp Thr His Ile Ser Pro Tyr Lys
 220 245 250 255
 221 Asp Leu Leu Asp Pro Ala Arg Trp Arg Met Leu Ile Gln Gln Phe
 222 260 265 270
 223 Arg Tyr Asp Asn Tyr Arg Leu His Gln Leu Gly Asn Asn Ser Val
 224 275 280 285
 225 Phe Thr Leu Thr Leu Gln Ala Gly Leu Ser Ala Ile Lys Thr Pro
 226 290 295 300
 227 Gln Cys Tyr Lys Glu Asp Gly Ser Ser Lys Ser Pro Asp Cys Pro
 228 305 310 315
 229 Val Cys Ser Arg Ser Leu Asn Lys Leu Ala Gln Pro Leu Pro Met
 230 320 325 330
 231 Ala His Cys Ala Asn Ser Arg Leu Val Cys Lys Ile Ser Gly Asp
 232 335 340 345
 233 Val Met Asn Glu Asn Asn Pro Pro Met Met Leu Pro Asn Gly Tyr
 234 350 355 360
 235 Val Tyr Gly Tyr Asn Ser Leu Leu Ser Ile Arg Gln Asp Asp Lys
 236 365 370 375
 237 Val Val Cys Pro Arg Thr Lys Glu Val Phe His Phe Ser Gln Ala
 238 380 385 390
 239 Glu Lys Val Tyr Ile Met
 240 395
 243 <210> SEQ ID NO: 5
 244 <211> LENGTH: 265
 245 <212> TYPE: PRT
 246 <213> ORGANISM: Homo sapiens
 248 <220> FEATURE:
 249 <223> OTHER INFORMATION: 2645927CD1
 251 <400> SEQUENCE: 5
 252 Met Asn Met Ser Val Leu Thr Leu Gln Glu Tyr Glu Phe Glu Lys
 253 1 5 10 15
 254 Gln Phe Asn Glu Asn Glu Ala Ile Gln Trp Met Gln Glu Asn Trp
 255 20 25 30
 256 Lys Lys Ser Phe Leu Phe Ser Ala Leu Tyr Ala Ala Phe Ile Phe
 257 35 40 45
 258 Gly Gly Arg His Leu Met Asn Lys Arg Ala Lys Phe Glu Leu Arg
 259 50 55 60
 260 Lys Pro Leu Val Leu Trp Ser Leu Thr Leu Ala Val Phe Ser Ile
 261 65 70 75
 262 Phe Gly Ala Leu Arg Thr Gly Ala Tyr Met Val Tyr Ile Leu Met
 263 80 85 90
 264 Thr Lys Gly Leu Lys Gln Ser Val Cys Asp Gln Gly Phe Tyr Asn
 265 95 100 105

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/019,495

DATE: 06/04/2002
TIME: 14:51:11

Input Set : A:\pf0698usn.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; N Pos. 3607